



Ministry of Foreign Affairs of the
Netherlands

M&E in food security

Lessons learnt
systematic review
food security interventions

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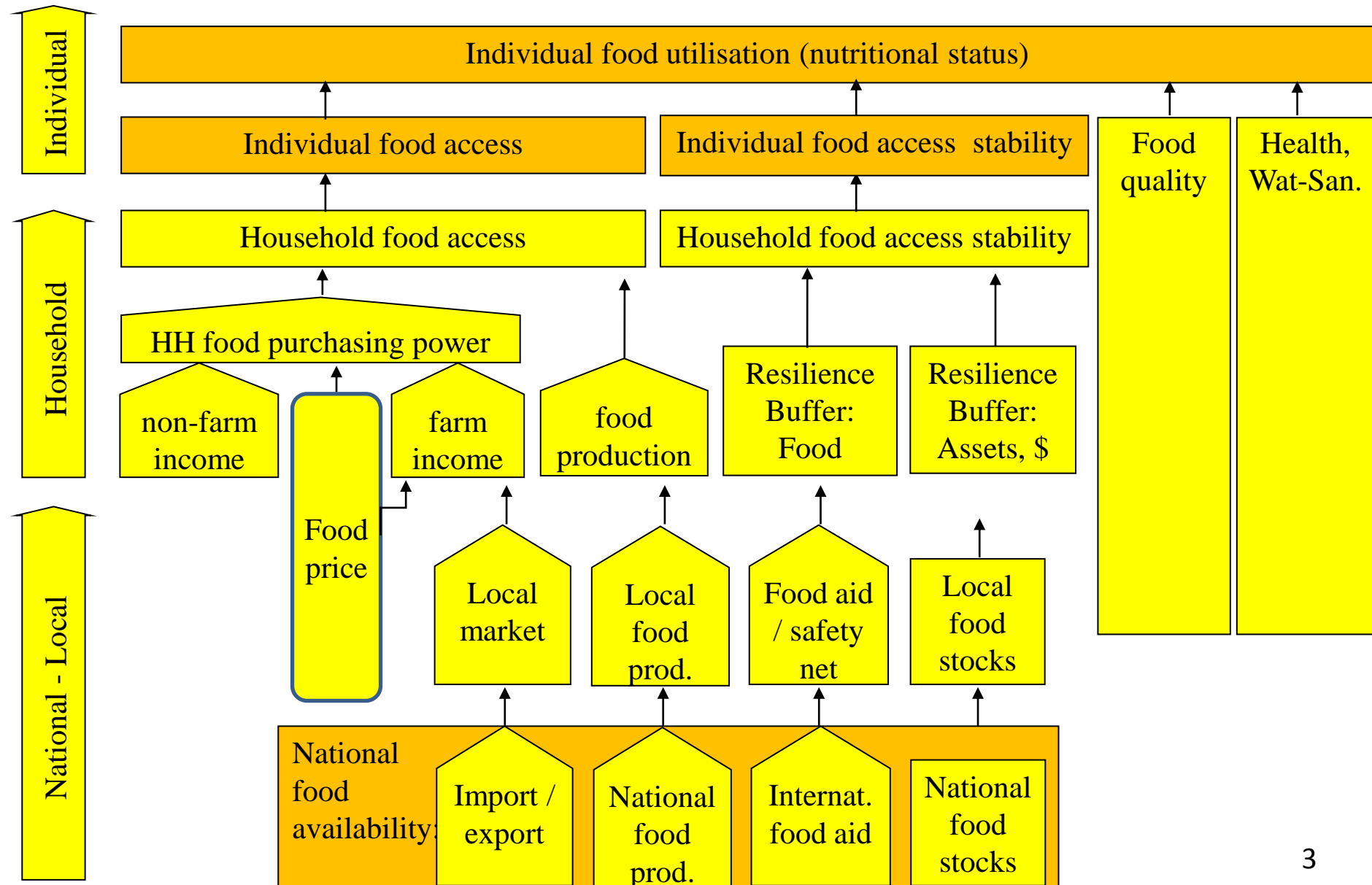
Management for Development Results
Washington, 3 February 2012



Presentation outline

1. Food security: definitions and impact pathways
2. Key findings on food security interventions
 - Four pathways
 - Costs and benefits
3. Key findings on evaluation quality
 - Indicators
4. Recommendations M&E AFSI
 - Impact pathways AFSI
 - Indicators in FS programmes

Food security: definitions and impact pathways





Key findings food security interventions:

Four pathways

1. Increasing agricultural production:
 - ☺ Reducing production losses (Africa)
 - ☺ Reducing production costs: food price / wages (Asia)
2. Value chain development:
 - ☹ Poorest seem to benefit less
 - ☹ Scope for domestic and regional markets
3. Market reform:
 - ☹ Open borders and no support (Africa)
 - ☺ Gradual reform (Burkina, Vietnam)
 - ☺ Reduce price volatility (Bangladesh)
4. Land tenure:
 - ☺ Land *use* rights, plus other support, other reform (China)



Key findings food security interventions: Costs and benefits per household

	Cost (\$/hh)	Benefit (\$/hh/y)	B/C
Disease resistant cassava (Mozambique)	\$9	\$25	+++
Organic certified coffee (Uganda)	\$90	\$95	++
Irrigation (India)	\$1,840	\$225	+
Dairy sector (Zambia)	\$3,660	\$340	-
Rust resistance in wheat	\$2/y	\$13	+++
Seed and fertiliser pack (Zimbabwe)	\$37 /y	\$20	-

Reference:

- Available ODA for agriculture (2010): \$4.2 billion
- Malnourished people (2010): 0.7 billion → \$30 / household



Key findings on evaluation quality: Indicators

Objective: Quantify impact on FS, aggregate and compare

Requirement: Small set of agreed-on indicators :

- Link to FS impact
- Head count indicators
- Thresholds

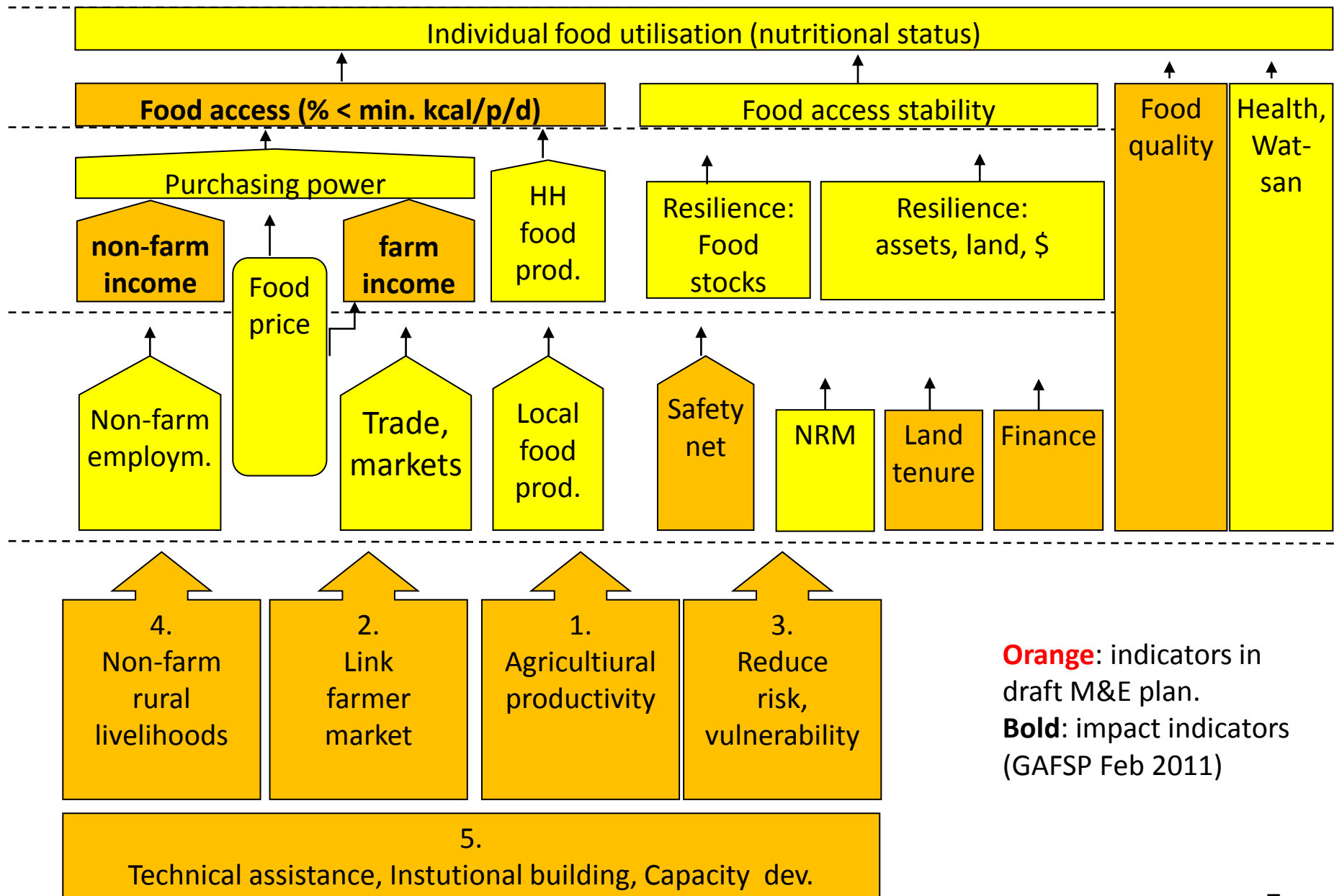
Good examples:

- Child malnutrition
- Population meeting energy requirements
- Poverty rate
- Minimum wage / food price

Poor examples:

- Average calorie intake
- Income from one crop
- Food security extrapolated from national production

Impact pathways GAFSP interventions to food security





Recommendations FS M&E

- Harmonisation impact indicators
 - Head-count indicators
 - Judgement criteria
 - Public + Private → same impact
 - Efficiency: simplify costs + benefits
- Counterfactual:
 - Localised interventions: control group
 - National trends: modelling
- Institutional embedding:
 - FS policy ⇔ National policy
 - FS monitoring ⇔ National institutions